Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A graphical user interface provided for the monitoring and/or controlling of a ~~computer controlled dairy farm system~~ milking machine by a human user, said graphical user interface comprising at least one ~~and another~~ computer based graphical and schematic representation of at least a part of the [a] milking machine~~, a part thereof,~~ or of a cow present at the milking machine, ~~or part thereof comprised in said dairy farm system,~~ wherein said ~~one and another displayed~~ representation[s] comprises objects, each of which represents an element of said at least part of the milking machine or of teh cow present at the milking machine ~~a respective one of the milking machine, the part thereof, the cow, or part thereof comprised in said dairy farm system,~~ and each of which having a spatial location in relation to the other object(s), which corresponds to the spatial location of the represented element in relation to the other element(s) of said at least part ~~one~~ of the milking machine~~, the part thereof, the~~ or of a cow present at the milking machine~~, or part thereof comprised in said dairy farm system in relation to at least one other one of the group consisting of the milking machine, the part thereof, the cow, or part thereof~~ .

2. (Currently amended) The graphical user interface as claimed in claim 1, wherein

- each of said objects has at least one ~~associated~~ physical property which is characteristic for the element the object represents, ~~wherein each said at least one physical property associated with the respective object is comprised among physical properties of the respective represented part of said dairy farm system or part thereof; and~~
- each said at least one physical property ~~which~~ is ~~comprised among the properties of the respective represented part of said dairy farm system or part thereof, is~~ chosen from the group consisting of size, shape, color, direction, movement, amount, rate, and frequency.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently amended) The graphical user interface as claim in claim 1, wherein said graphical user interface comprises ~~schematic representations of~~ objects representing the teats of a cow, or teat cups that are attached to them, by four icons located schematically with a longer distance between the icons representing the front teats or teat cups and a shorter distance between the icons representing the back teats or teats cups.

7. (Currently amended) The graphical user interface as claimed in claim 6, wherein ~~the schematic representations of the teats or teat cups~~ said objects representing the teats of a cow or teat cups that are attached to them, are associated with respective controls for starting milking or with respective status indications indicating milk yield during milking.

8. (Currently amended) The graphical user interface as claimed in claim 6, wherein said graphical user interface comprises ~~schematic representations of~~ objects representing the teat cups as detached at spatial locations, which schematically correspond to the respective spatial locations in the milking machine.

9. (Currently amended) The graphical user interface as claimed in claim 8, wherein each of the ~~four icons schematically~~ objects representing the teats of a cow, or teat cups that are attached to them, has a visual characteristic in common with the ~~respective associated schematic representation of~~ object representing the teat cup as detached~~, in order to map each detached teat cup to its respective attached position~~.

10. (Currently amended) The graphical user interface as claimed in claim 1, wherein said graphical user interface comprises ~~schematic representations of~~ objects representing an entry gate and of an exit gate, respectively, of said milking machine, at spatial locations corresponding schematically to the respective locations of the entry gate and the exit gate in the milking machine.

11. (Currently amended) The graphical user interface as claimed in claim 10, wherein the ~~schematic representations of~~ objects representing the entry gate and of the exit gate are associated with respective controls for opening and closing ~~the respective gate~~ the entry gate and the exit gate or with respective status indications indicating whether ~~the respective gate~~ the entry gate and the exit gate are ~~is~~ opened or closed.

12. (Currently amended) The graphical user interface as claimed in claim 6, wherein said graphical user interface comprises ~~schematic representations of~~ objects representing a rear plate and ~~of~~ a manger, respectively, of said milking machine.

13. (Currently amended) The graphical user interface as claimed in claim 12, wherein the ~~schematic representations of~~ objects representing the rear plate and ~~of~~ the manger are associated with respective controls for positioning the rear plate and the manger or with respective status indications indicating the location of the rear plate and the manger.

14. (Previously presented) An automatic milking machine comprising a graphical user interface as claimed in claim 1.

15. (Currently amended) A method for providing a graphical user interface for the monitoring and/or controlling of a milking machine ~~computer controlled dairy farm system or part thereof~~, by a human user, comprising the step of:

– displaying at least one ~~and another~~ computer based graphical and schematic representation of at least a part of the ~~from a group consisting of a~~ milking machine~~, a part thereof,~~ or of a cow present at the milking machine ~~, or part thereof comprised in said dairy farm system~~, wherein said ~~one and another displayed~~ representation[s] comprises objects, each of which represents an element of said at least part of the milking machine or of the cow present at the milking machine ~~a respective one of the milking machine, the part thereof, the cow, or part thereof comprised in said dairy farm system~~, and each of which having a spatial location in relation to ~~another of~~ the other object(s), which corresponds to the spatial location of the ~~respective~~ represented element in relation to the other element(s) of said at least part of the milking machine or of a cow present at the milking machine ~~one of the milking machine, the part thereof, the cow or part thereof comprised in said dairy farm system in relation to the another of the group consisting of the milking machine, the part thereof, the cow, or part thereof~~.

16. (Currently amended) The method as claimed in claim 15, wherein

-- each of said objects has at least one ~~associated~~ physical property, which is characteristic for the element the object represents, wherein ~~each said at least one physical property associated with the respective object is comprised among physical properties of the respective represented part of said dairy farm system or part thereof; and~~

-- each said at least one physical property ~~which is comprised among the properties of the respective represented part of said dairy farm system or part thereof, is~~ being chosen from the group of size, shape, color, direction, movement, amount, rate, and frequency.

17. (Cancelled)

18. (Currently amended) The method as claimed in claim 15, ~~17, further comprising the step of displaying schematic representations of~~ wherein said computer based graphical and schematic representation comprises objects representing the teats of a cow, or teat cups that are attached to them by four icons located schematically with a longer distance between the icons representing the front teats or teat cups and a shorter distance between the icons representing the back teats or teat cups.